

We claim:

1. A method for reconfiguring network capacity in a wireless network, the method including the steps:
 - a) determining if a current demand for network capacity exceeds a first value;
 - b) if the current demand exceeds the first value, reconfiguring network capacity for the wireless network to a higher network capacity;
 - c) determining if the current demand is less than a second value; and
 - d) if the current demand is less than the second value, reconfiguring network capacity for the wireless network to the original purchased network capacity.
2. The method as set forth in claim 1, step b) further including:
accumulating usage data at the higher network capacity; and
step d) further including:
communicating the usage data associated with the higher network capacity to a network equipment/software provider's billing system.
3. The method as set forth in claim 2, further including:
 - e) periodically repeating steps a) through d) during operation of the wireless network.
4. The method as set forth in claim 1 wherein the first value is about 0.90.
5. The method as set forth in claim 4 wherein the second value is about 0.70.
6. The method as set forth in claim 5 wherein the original purchased network capacity is about 500K busy hour call events.
7. The method as set forth in claim 6 wherein the higher purchased network capacity is about 1,000K busy hour call events.
8. A method for dynamically reconfiguring network capacity in a wireless

network, the method including the steps:

- a) determining if a current demand for network capacity exceeds a first value;
- b) if the current demand exceeds the first value, reconfiguring network capacity for the wireless network to a higher network capacity;
- c) determining if the current demand is less than a second value; and
- d) if the current demand is less than the second value, reconfiguring network capacity for the wireless network to a lower network capacity.

9. The method as set forth in claim 8, step b) further including:
accumulating usage data at the higher network capacity; and
step d) further including:
communicating the usage data associated with the higher network capacity to a network equipment/software provider's billing system.

10. The method as set forth in claim 9, step d) further including:
accumulating usage data at the lower network capacity; and
step b) further including:
communicating the usage data associated with the lower network capacity to the network equipment/software provider's billing system.

11. The method as set forth in claim 8, further including:
e) periodically repeating steps a) through d) during operation of the wireless network.

12. The method as set forth in claim 8, between steps a) and b), further including:
if the current demand exceeds the first value, determining if the current network capacity is a highest network capacity offered by a network equipment/software provider and, if the current network capacity is the highest network capacity offered, returning to step a), otherwise continuing to step b).

13. The method as set forth in claim 8, between steps c) and d), further including:
if the current demand is less than the second value, determining if the current

network capacity is a lowest network capacity offered by a network equipment/software provider and, if the current network capacity is the lowest network capacity offered, returning to step a), otherwise continuing to step d).

14. The method as set forth in claim 8 wherein the first value is about 0.90.

15. The method as set forth in claim 14 wherein the higher network capacity is about 1,000K busy hour call events.

16. The method as set forth in claim 15 wherein the second value is about 0.35.

17. The method as set forth in claim 16 wherein the lower network capacity is about 500K busy hour call events.

18. A method for dynamically reconfiguring wireless network capacity purchased by a service provider from a network equipment/software provider, the method including the steps:

- a) determining if a current demand for network capacity exceeds a first value;
- b) if the current demand exceeds the first value, determining if current purchased network capacity is a highest network capacity offered by a network equipment/software provider;
- c) if the current purchased network capacity is the highest network capacity offered, returning to step a);
- d) communicating usage data associated with the current purchased network capacity to the network equipment/software provider's billing system, reconfiguring network capacity for the wireless network to a higher purchased network capacity, and accumulating usage data at the higher purchased network capacity;
- e) determining if the current demand is less than a second value;
- f) if the current demand is less than the second value, determining if the current purchased network capacity is a lowest network capacity offered by the network equipment/software provider;
- g) if the current purchased network capacity is the lowest network capacity

offered, returning to step a);

h) reconfiguring network capacity for the wireless network to a lower purchased network capacity, communicating the usage data associated with the higher purchased network capacity to the network equipment/software provider's billing system, and accumulating usage data at the lower purchased network capacity; and

i) periodically repeating steps a) through h) during operation of the wireless network.

19. The method as set forth in claim 18 wherein the highest network capacity offered by the network equipment/software provider is about 1,000K busy hour call events.

20. The method as set forth in claim 19 wherein the lowest network capacity offered by the network equipment/software provider is about 500K busy hour call events.